8-Channel State Recorder
Part of the NOMAD® Family

OM-CP-OCTSTATE

MADE IN USA · **5 YEAR WARRANTY**

- ✔ Interfaces to Contact Closures or TTL Signals Up to 30 V Real-Time Operation
- ✔ Programmable Start Time
- ✔ Programmable Engineering Units
- ✔ Memory Wraparound
- ✔ Miniature Size

The OM-CP-OCTSTATE is a 8-channel, battery-powered, standalone state recorder. This portable, easy-to-use device that will measure and record up to 52,484 state changes. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from a computer, and its small size allows it to fit almost anywhere.

The OM-CP-OCTSTATE makes data retrieval quick and easy. Simply plug it into an available COM port and our user-friendly software does the rest.

The software converts a PC into a real-time strip chart recorder. Data can be printed in graphical and tabular format or exported to a text or Microsoft Excel file.

Specifications
Input Connection: 8 removable screw terminals
Input Low: <0.4 V
Input High: >2.7 V
Input Range: 0 to 30 V
Duty Cycle Limitation:
  24 V: 10% (<6 seconds per minute)
  18 V: 25% (<5 seconds per minute)
  12 V: 50% (<30 seconds per minute)
Input Impedance: > 1K Ω
Time Resolution: 1 second (reading rate dependent)
Engineering Units: User may define units up to 10 characters in length. This value is stored within the device.

OM-CP-OCTSTATE, data logger shown smaller than actual size

Scale Factor: User can program any desired scaling factor from ±1.000E-31 to ±9.999E+31. The scaling factor is stored within the device.
Start Time: Software programmable start time and date, up to six months in advance
Reading Interval: 1 reading every second to 1 every 12 hours

OM-CP-IFC200 Windows software displays data in graphical or tabular format

Memory: 52,484 state changes
Real-Time Recording: May be used with PC to monitor and record data in real-time
Calibration Date: Automatically recorded within device
Power: 9V lithium or alkaline battery (included); 120 Vac power optional
Battery: 1 year typical
Data Format: Date and time stamped state changes (on/off); engineering units specified through software
Time Accuracy: ±1 minute/month (at 20°C, RS-232 cable not in use)
Computer Interface: PC serial, RS-232C COM or USB (interface cable required); 2400 baud
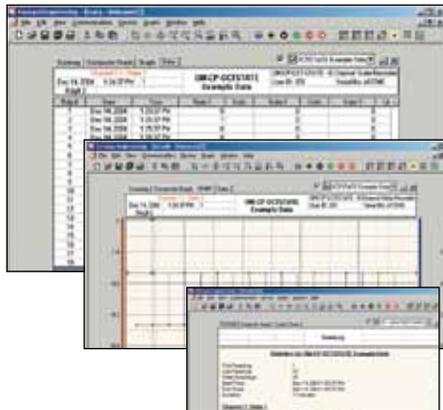**Software:** XP SP3/Vista/7 and 8 (32-bit and 64-bit)
Operating Environment:
-20 to 60°C (-4 to 140°F)
0 to 95% RH non-condensing
Dimensions: 89 H x 112 W x 39 mm D (3.5 x 4.4 x 1.5")
Weight: 480 g (17 oz)

To Order

Model No.	Description
OM-CP-OCTSTATE	8-channel state data logger
OM-CP-IFC200	Windows software and 1.8 m (6') USB interface cable
OM-CP-BAT103	Replacement 9V lithium battery
OM-CP-CONNECTOR-2	Replacement 2 position terminal block connector

Comes complete with 9V lithium battery.
*Operator's manual is included with the **OM-CP-IFC200** Windows software and USB cable, (required to operate the data logger and sold separately). To order data loggers with optional 120 Vac power, add suffix "-AC" to model number and additional cost.*
***Ordering Example: OM-CP-OCTSTATE,** 8-channel state data logger and **OM-CP-IFC200** Windows software USB interface cable.*